

A REVIEW: ROLE OF PLANT GROWTH REGULATORS IN VEGETABLE PRODUCTION

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ABSTRACT

Plants control their physiological programmes, developmental transitions and responses to the environment with the help of phytohormones/ plant growth regulators. These are organic compounds of varied chemical structure synthesized by plants in low concentrations in specialized tissues and transported throughout the plant body where they alter essential physiological processes qualitatively and quantitatively. The main groups of plant hormones include auxins, gibberellins, cytokinins, abscisic acid, ethylene, brassinosteroids and jasmonates. Phytohormones have multiple functions and various combinations of them can act either synergistically (auxins and gibberellins) or antagonistically (abscisic acid and auxins) to promote very specific responses.

KEYWORDS: PGRS, Production, Vegetables